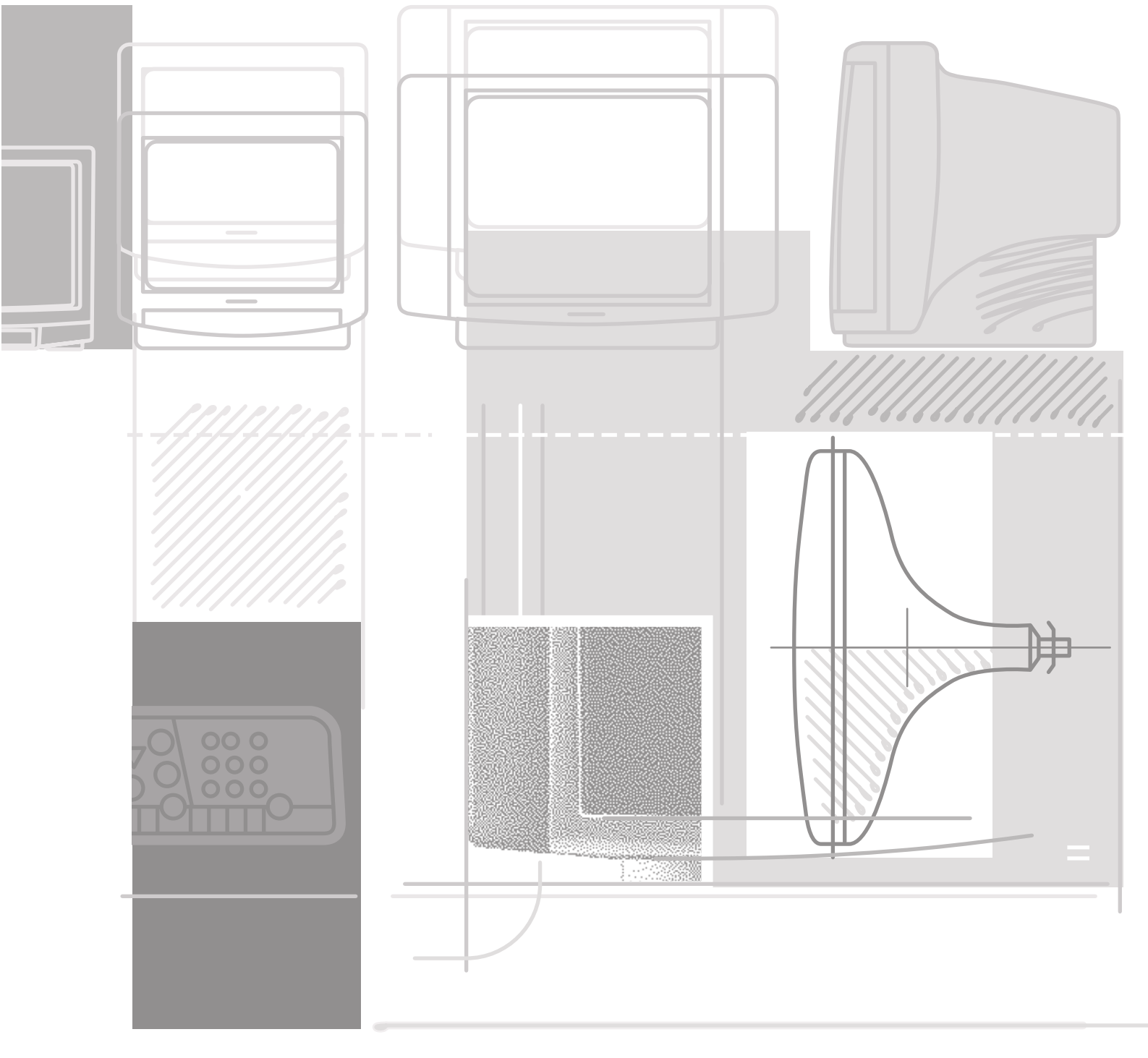
GRUNDIG

COLOR TELEVISION

P 40-740 TOP

P 45-740 TOP



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Additional Information for Units sold in Great Britain

Units sold in GB are suitable for operation from a 240 V AC, 50 Hz mains supply.

In case this appliance is supplied with a Safety Standard Approved mains lead fitted with a non-rewireable 13 Amp mains plug which, if unsuitable for your socket, should be cut off and an appropriate plug fitted by a qualified electrician. The fuse and fuse holder must be removed from the plug as accidental insertion of the redundant plug into a 13 Amp socket is likely to cause an electrical hazard.

Note: The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

If it is necessary to change the fuse in the non-rewireable plug, the correct type and rating (5 Amp ASTA or BSI approved BS 1362) must be used and the fuse cover must be refitted. If the fuse cover is lost or damaged the lead and plug must not be used until a replacement is obtained. Replacement fuse covers should be obtained from your dealer.

If a non-rewireable plug or a rewireable 13 Amp (BS 1363) plug is used, it must be fitted with a 5 Amp ASTA or BSI approved BS 1362 fuse. If any othe type of plug is used it must be protected by a 5 Amp fuse either in the plug or at the distribution board.

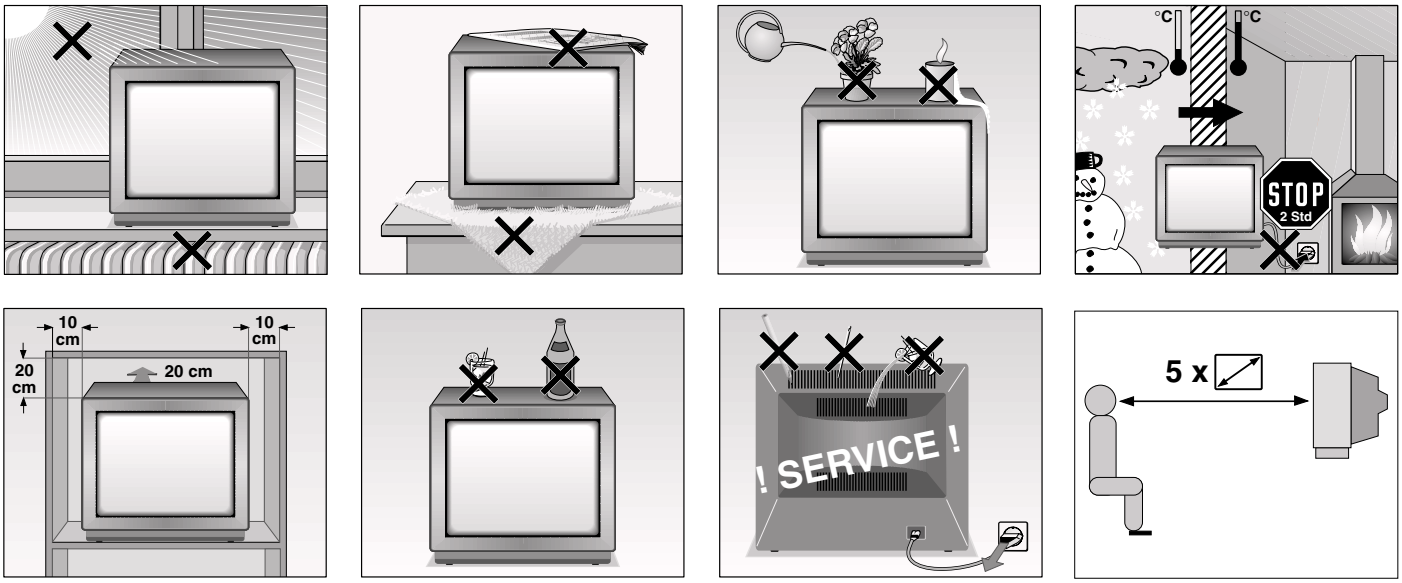
Important:
The wires in the mains lead are coloured in accordance with the follow-ing code:

BLUE – NEUTRAL
BROWN – LIVE

As the colours of the wires in the mains lead of your appliance may not correspond with the coloured marking identifying the terminals in your plug, proceed as follo-ws:
Connect the BLUE coloured wire to plug terminal marked with the letter "N" or coloured black.
Connect the BROWN coloured wire to the plug terminal marked with a letter "L" or coloured red.
In no circumstance must any of the wires be connected to the terminal marked with a letter "E", earth symbol ⏚ , coloured green or green and yellow.

Replacement mains lead can be obtained from your dealer.

Notes on Safety and Setting Up



When setting up your television, select a location where as little light as possible falls on the screen.

The ideal viewing distance is five times the diagonal width of the screen.

If the television is to be built into a compartment or similarly enclosed, minimum distances must be maintained.

Do not cover the ventilation openings on the back.

The heat exchange inside the unit generates an air circulation which attracts dust particles (carpet and curtain fibres and home dust). These particles accumulate inside the ventilation slots obstructing these over the years and causing a build-up of heat.

Heat build-up can reduce the service life of your television, and can also be dangerous.

For your own safety, let remove the dust deposits by a specialist from time to time.

Never set up speakers next to the unit.

When setting up and using this unit, please make sure that the mains connection wire is free and not jammed in order to avoid damage.

Never place the television near heat sources.
Even if your television is switched off, it can still be damaged by lightning striking the mains and/or aerial cables.
For this reason, you should always disconnect your television from the mains and the aerial system during thunderstorms.

Never expose the unit to moisture.
Do not insert foreign objects into the ventilation openings on the back.
Caution! High voltage!

Inserting the Battery into the Remote Control Handset

Remove the battery compartment cover by pressing on the catch and then removing the cover.

Insert the battery supplied. Make sure it is inserted correctly (markings in the battery compartment).

When the battery is dead, the message "Battery Telepilot" appears on the picture screen.
Remove the dead battery immediately.
We assume no responsibility for damage resulting from battery leakage.
Dead batteries must be disposed of properly.

Connecting the Unit

Insert the plug of the aerial lead into the aerial socket ϒ of the TV set.

Connect the mains lead to the wall socket.

Switching the Unit On/Off

Press the ⏻ button on the unit.

If you do not use the TV set for extended periods of time (e.g., at night), turn it off with this button.
This helps you to save energy.

The On-Screen User's Guide...

... with the GRUNDIG Infocenter

The Grundig user's guide (GRUNDIG Infocenter) enables a dialogue between you and the TV set by means of the remote control handset and the television screen.

The TV set responds with info tables on the TV screen to many functions that you select with the remote control handset .

Dialogue lines are displayed at the bottom border of the Info tables.

These will guide you steps by step in a simple and understandable way to your goal.

The ›, ‹ , ⌄, ⌃ signs on the picture screen are symbols for the following buttons on the remote control handset:

⌄ , ⌃ = P- and P+ buttons

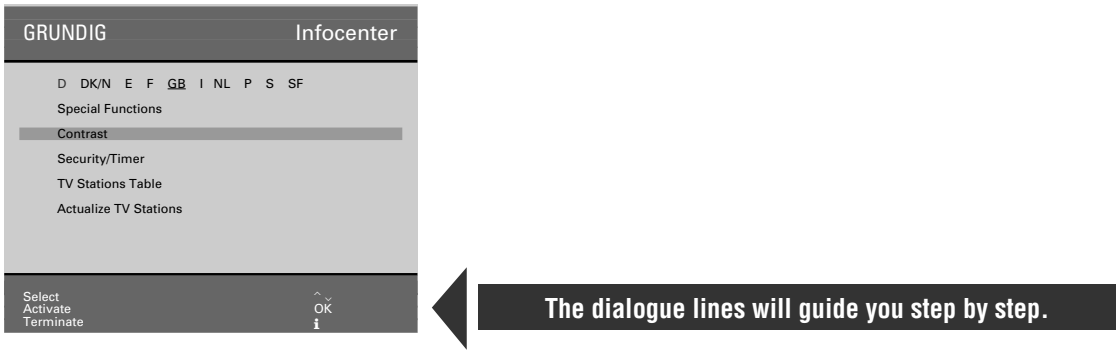
› , ‹ = ◀ and ▶ buttons

OK = OK button

i = i button

In the following text, the illustrations of the buttons instead of the sysmbols will be shown.

Example:



The Info tables and the dialogue lines show you the possibilities available:

Selecting a function:

Select ⌃⌄ — You can select the desired function with the P- or P+ button.

The selected function is highlighted by a colour bar.

Activating a function:

Activate OK — You can activate the selected functions with the OK button.

Changing a setting:

Change < > — You can change the setting of a selected function with the ◀ or ▶ button.

If the new setting is to be confirmed with the OK button, you will be prompted to do this.

The previous setting will be overwritten.

Confirming a setting:

Confirm OK — You can confirm a setting with the OK button.

Exiting a menu:

Terminate i — You can exit the menu with the i button.

You will see again the selected TV programme.

In the following chapters of the operating instructions, only the access to the respective menu will be described. For further operating steps, please refer to the the on-screen user's guide.

Assigning Programme Positions

The Automatic Tuning System "ATS euro plus"

This TV set is provided with the "ATS euro plus" system (Auto Tuning System). This new system offers you the advantage of automatic programme position assignment.

This station memory system scans the entire reception range, stores the channels found into the programme positions of the TV set, and enters them with their name (abbreviation) into a TV stations table.

If you wish, you can change this automatic allocation of the channels to the programme positions.

How to proceed:

After switching on the TV set with one of the buttons ①…⑨, the "ATS euro plus" page appears on the picture screen.

If this is not the case, press and hold down the P/C button until the "ATS euro plus" page is displayed.

You can choose between several languages for the on-screen dialogue with your TV set. The user's guide then will be in the selected language.
German has been preset at the factory.

Select the desired language and the country where the TV set is installed.

The "ATS euro plus" system is started.
The system searches for all channels on which TV programmes are broadcasted, sorts and stores them into the programme positions.

This operation can last one minute or longer, depending on the number of offered TV channels.
When the search operation is completed, the picture of the channel stored on the first programme position appears. You can now use your TV set without making further adjustments.

ATS euro plus – Update

If you have already found and stored channels into the programme positions using the "ATS euro plus" system and wish to start another ATS euro plus search to update the TV station table – for example if the reception conditions have changed because of newly offered channels – select the menu point "Actualize TV-Stations" in the Infocenter.

If a completely new ATS run is required (e.g., when changing location or being connected to a cable TV system), start the ATS as described in the previous chapter. In this case, the old programme position data is cleared.

How to proceed:

Press the ⓘ and then the OK button. Follow the on-screen user's guide.

The automatic tuning system is started with the last settings (language and country). The newly found channels are added to the channels which are already shown in the TV stations table and highlighted in blue.

If you wish, you can "shift" any desired channel to any other programme position.

Pressing the ⓘ button calls up the storage function and pressing the OK button stores the new channel allocation into the memory.

Changing the Programme Position Assignment

The TV stations table shows you which channels are stored on the different programme positions and, if provided, the assigned station names.
You can change this assignment of the programme positions according to your personal preferences:

– Change the sequence of the channels stored on the programme positions ("shift").
– Clear the data stored on the programme positions.
– Change the station names or enter new names.

How to proceed:

Call up the GRUNDIG Infocenter by pressing the ⓘ and then the OK button. Select the "TV-Stations Table" line then follow the on-screen user's guide (Info tables and dialogue lines).

Note:

Terminate:

Pressing the ⓘ button exits the TV stations table and automatically stores the settings made in memory.

Entering a channel number:

If you store the channel number 00 on a programme position, the following programme positions can no longer be selected with the P− or P+ button.

Shift:

The shift operation only changes the channel sequence on the programme positions.

Entering a station name:

If no (appropriate) station name is offered for a channel, you can create your own name. To do this, press the ▶ button once then select the desired letter/figure with the P− or P+ button.

The Remote Control Handset

①…⓪ Select programme position (– P + on TV set)
⓪AV and switch on from standby,
or
select AV position,
or
enter page numbers in Teletext mode.

P/C Call up programme position data.
Keep pressed for 4 s: Call up ATS.

AUX Tint if an NTSC recorder is connected.

ⓘ Call up Infocenter. After the message "Menu → OK", press the OK button.

P+ P– Select programme positions step by step:
P+: (1, 2, 3 ...), P–: (...3, 2, 1).
Keeping the P+ or P– button pressed displays and quickly lets scroll the station names. Releasing the button switches to the currently selected programme position. (The station names can also be displayed by pressing the OK button).
or
Cursor up,
down.

OK Modify or activate various functions.

◀ ▶ Volume down/up
or
Cursor to the left,
to the right.

Sound on/off (mute).

Switch to standby and switch on with last seleted programme position.

Adjust brightness.

Adjust colour contrast.

Teletext mode↔ TV mode

R no function.

Shift channels when allocating programme positions.

Clock on/off.

Clear data when allocating programme positions.

SAT Remote control of satellite receiver (press and hold down SAT button).

VIDEO Remote control of video recorder (press and hold down VIDEO button).

Changing the Contrast Setting

Call up the "GRUNDIG Infocenter".

Press the OK button;
The "Contrast" scale is displayed.

Change the setting with the ◀ ▶ buttons.
The setting is automatically stored.

This television was tested with maximum contrast.
It is advisable to turn down the contrast to offer you the best picture quality depending on lighting conditions or on the location where your TV is set up.

Storing the Picture and Sound Settings

The last set values for volume, contrast, colour contrast, and brightness are automatically stored in memory if you

switch from the current programme position to the AV position,
switch to standby;
switch off with the mains button.

The set values are checked before they are stored in memory. If they have been reduced to such a degree that a reasonable picture impression is no longer obtained, the optimum factory pressettings are automatically restored when switching the TV set on again.

Teletext

The Teletext Mode at a Glance

Selecting pages directly

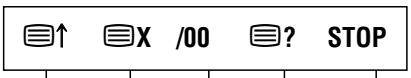
①…⓪ select pages 100-899

Ⓟ/Ⓒ select last viewed page

Using the dialogue line

Press Ⓐ to display the dialogue line

Display:



Enlarge character height

Bypass waiting times (actual mode)

Directly call up subpage

Reveal answer

STOP pages

Teletext on/off

Teletext ↔ TV reception

Top-Text

ⓘ Call up overview page

○ (blue) Switch to next block.

○ (yellow) Switch to next group with passage to next block.

○ (green) Switch to next page with passage to next group.

○ (red) Return

Flof-Text

The coloured buttons lead to the topics shown in the dialogue line.

Select the functions with ◀ or ▶ and call them up with OK.

The functions Stop pages, Directly call up subpage, Enlarge character height, and Reveal answer can also be selected without calling up the dialogue line.

Stop pages:
Press ◀ button.

Directly call up subpage:
Press on left side of the ⊖◑⊕ rocker button.

Enlarge character height:
Press on right side of the ⊖◑⊕ rocker button.

Reveal answer:
Press ▶ button.

Selecting Pages by Means of the Cursor (Page Catching)

i.e. without entering the page numbers. Move the cursor to the desired Teletext page in an overview page (pages containing three-digit page numbers). Using this function, you need not type in the three-digit page numbers.

How to proceed:

Press the P+ or P− button.
"Page Catching" is displayed on the top screen border.
A light spot (cursor) is flashing on the first or last page number of the overview page.

Use the P+ or P− button to move the cursor to the desired page number.

Press the OK button.
The page appears on the picture screen.

Convenient Functions

The convenient functions are called up from the GRUNDIG Infocenter. Using the on-screen user's guide is desribed on page 4 of these operating instructions.

Security/Timer Functions

Using these menu functions, you can:

1. block programmes unfit for children,
2. block all programmes and/or switch off at a desired time,
3. switch off at a desired time (Sleep Timer)
   and/or switch on at a desired time (Wake up Time).

Press the ⓘ then the OK button on the remote control handset to call up the GRUNDIG Infocenter. Follow the on-screen user's guide to select step by step the desired functions.

Notes:

Blocking Programmes Unfit for Children

For this you must enter a four-digit code number. The signal for this blocking function is not yet broadcast by all programme providers.

Memorize the stored code number!

If you should forget the code, switch to a non blocked programme position, call up the Security/Timer menu then press the OK button. If you now enter the button sequence shown next to the key "key" symbol on the last (cover) page of this booklet, your TV set will be unblocked.

Blocking all Programmes

If you use this function, the set cannot be switched on by unauthorized persons after being switched off (automatically or with the ⏻ button). Switching on is only possible by entering the code number.

Memorize the stored code number!

If you should forget the code number, enter the "key" button sequence shown on the last (cover) page of this booklet to unblock the receiver.

Automatic Switch-Off (Sleep Timer)

The TV set automatically switches off at the entered time.

Wake-Up with a TV Programme

With the "Wake-up Prog" option, you can select the programme with which you wish to be woken up at the time entered under the "Wake-up Time" option.

Special Functions

The "Special Functions" menu consists of 6 parts:

You can carry out various basic settings, e.g., preset the volume.

The "IR-Dataprogrammer" and "Service" functions are provided only for the specialized dealer. The "Service" function is in addition protected by a code.

The "Decoder" menu option is desribed on page 10.

Call up the GRUNDIG Infocenter by pressing the ⓘ then the OK button. Follow the on-screen user's guide to select step by step the desired functions.

Changing the Volume Setting of a Programme Position

If you receive a programme with a too soft or too loud volume with respect to other programmes, you can manually adjust the volume level.

Adjust the volume level with the ◀ or ▶ button. Only the volume level of the currently selected programme position wil be changed.

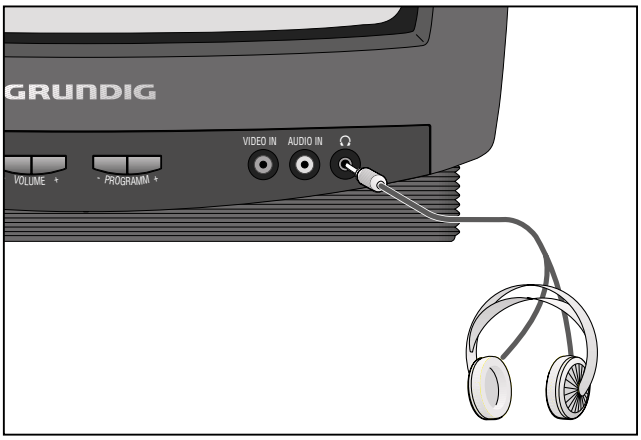
Picture / Sound Scale

Use the P button to highlight the "Picture/Sound Scale" line.

Use the ◀ or ▶ button to switch on or off on-screen scales such as

Connection Capabilities and Operation …

… for Headphones



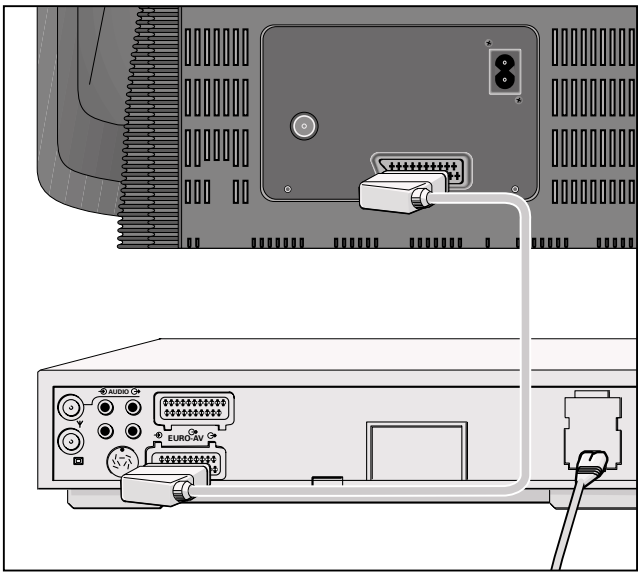
Connection

Connect the headphones (3.5 mm ø jack plug) with the ☊ socket.

Adjusting the Headphones Volume Level

Connecting the headphones switches off (mutes) the loudspeakers of the TV set. Adjust the volume level of the headphones with the ◀ ▶ buttons.

… for Video Recorder or Satellite Receiver



Connection

Connect the video recorder or satellite reciever by means of an AV cable to the AV socket.

Operation of the Video Recorder

Press the ⓪ AV button.

Start playback on the video recorder.
The video playback is visible on the picture screen.
(The Phono sockets must remain free).

Remote Control of a Video Recorder

The remote control handset of this TV receiver enables also the remote control of GRUNDIG video recorders. Your specialized dealer can tell you which video recorders are suited for this.
Press and hold down the ◯ VIDEO button.
This switches the remote control handset into the video recorder control mode.
Then press the desired function button.
The following table shows you which buttons are to be used for the different tape recorder functions.

◀◁	(Numeric button 1)	= Reverse picture search
▷▶	(Numeric button 2)	= Forward picture search
●	(– ◔ button)	= Start recording
■	(◔ + button)	= Stop
◀◀	(Numeric button 7)	= Fast rewind
▶▶	(Numeric button 8)	= Fast forward wind
❚❚	(– ☼ button)	= Pause
▶	(☼ + button)	= Start playback
▼	(Numeric button 4)	= Programme position –
▲	(Numeric button 5)	= Programme position +

Operating the Satellite Receiver

Press the ⓪ AV button.

Switch the SAT receiver on.
(The Phono sockets must remain free).

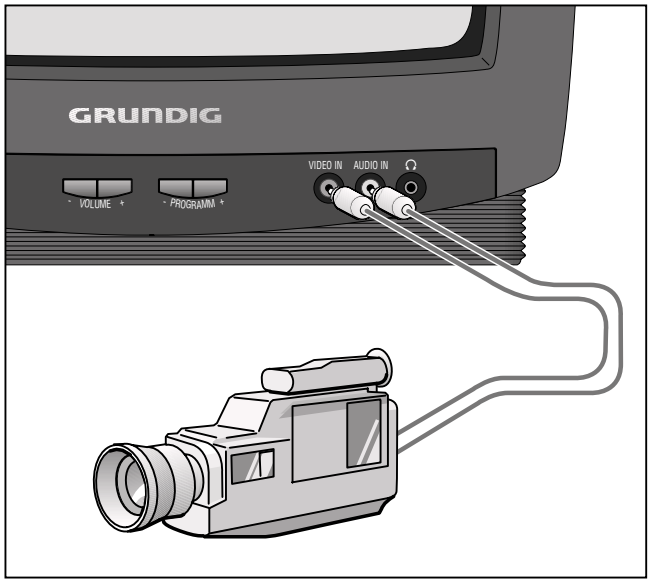
Remote Control of a Satellite Receiver

The remote control handset of this TV receiver enables also the remote control of a satellite receiver.

Press and hold down the ◯ SAT button and select the desired programme position of the satellite receiver with the numeric buttons ⓪…⑨.

Connection Capabilities and Operation …

… for Camcorder



Connection for the Video Signal

Connect the yellow VIDEO IN socket by means of an appropriate cable to the video socket of the camcorder.

Connection for the Sound Signal

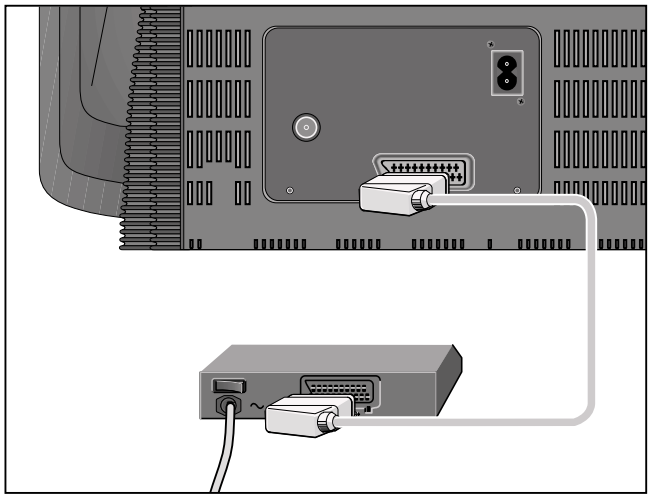
Connect the white AUDIO IN socket with the audio socket of the camcorder.

Operation

Press the ⓪ AV button.

Start playback on the camcorder.
The video playback is visible on the picture screen.
(The EURO-AV socket must remain free).

... for Descrambler (Decoder) or an External Unit (Video Recorder)



Some TV stations which transmit their programmes via cable systems or satellite receivers "scramble" their programmes. Picture and sound are "garbled" and unsuited for normal use. If you acquire a decoder ("Pay TV"), these programmes can be descrambled so that they can be regarded like "normal" broadcasts.

How to proceed

Connect the decoder/video recorder to the EURO-AV socket.

Decoder:
Select the programme position on which the decoded channel is received.

Video recorder:
Select the programme position on which you wish to see the video playback from the recorder.

Call up the "Special Functions" menu (see page 8).

Use the P button to select the "Decoder" menu line.

With the ◀ or ▶ button you can select between:

auto = The EURO-AV socket is activated by the switching voltage. Normally, this must not be changed.

on = The EURO-AV socket is permanently activated.

off = The EURO-AV socket cannot be activated by the switching voltage.

Press the ⓘ button to exit the menu.

Specification

Mains voltage

220-240V, 50/60Hz
(power supply control range 190 … 264V)

This unit may only be operated with the power supply cable set which has been supplied. It prevents interference from the mains, and is considered an obligatory component of this unit.

For a replacement, contact the nearest customer service center and order only the power supply cable set with the following designation:
GWN 9.22/article number 8290.991-316.

Power consumption

P 40-740 TOP: approx. 50 W
P 45-740 TOP: approx. 55 W
In standby: 7 W

Channel coverage

C01 … C99
Special channels: S01 … S41

Sound output

4 W music power (2 W sine power)

This unit conforms to VDE safety regulations and directives of the Deutsche Bundespost (German Federal Post Office; see certification mark on the type sticker on the rear of the unit), as well as all relevant ordinances governing X-ray emissions. The picture tube, which emits X-rays, is sufficiently shielded and therefore represents no danger. Accelerating voltage is max. 25 kV with a mean beam current of 0.8 mA.

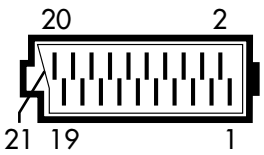
Unauthorized tampering with the unit, in particular making adjustments to the high voltage system, or installing a different picture tube, can considerably increase X-ray emissions. Units so altered no longer conform to applicable safety regulations and may not be operated.

This TV set is prepared for satellite reception. As extension kit, the module SER 7300 is provided. Ask your specialized dealer for further details.

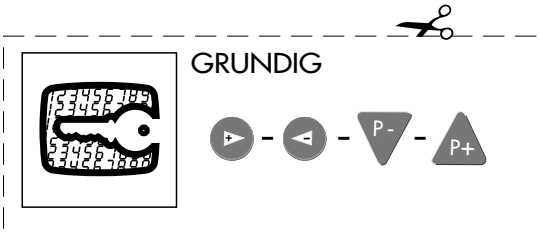
Pin Assignment of the EURO-AV socket

If you want to connect other devices to your television (for example, a computer or amplifier), your dealer can provide you with a normed standard connection by means of the following table:

Pin		Signal
1	=	Audio output right
2	=	Audio input right
3	=	Audio output left
4	=	Audio, earth
5	=	Blue, earth
6	=	Audio input left
7	=	RGB blue input
8	=	Switching voltage
9	=	Green, earth
10	=	–
11	=	RGB green input
12	=	–
13	=	Red, earth
14	=	Earth
15	=	RGB red input
16	=	RGB switching voltage
17	=	Video, earth
18	=	RGB switching voltage, earth
19	=	Video output
20	=	Video input
21		Shielding/earth



Subject to alterations.
E. and O.E.



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